

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: "W. Dennis Zeares K3ETS" <k3ets@why.net>
Subject: [934] 30M QSLs/ARRL rules
Message-ID: <19960714221100396.AAA302@28.liv3.dal.why.net>

I had nothing to do with the ruling on 30M QSLs... so please if you disagree or have a problem, please yell at the ARRL or anyone else other than me. I only tried to relay the information that I received from the ARRL in response to my question.

Sincerely, 72/73, Dennis K3ETS Dallas

K3ETS 1996 TMPS Qs=014 States=11 Confirmed=08 DX=01

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: "Bob Tellefsen-CNSE97" <Bob_Tellefsen-CNSE97@email.mot.com.mot.com>
Subject: [932] 40-9er
Message-ID: <M953129.001.jxh60.1.960714211017Z.CC-MAIL*/OU=LMPCC10/OU=ILBE/PRMD=MOT/ADMD=MOT/C=US/@MHS>

I'm looking for some suggestions.

I've built the 40-9er, and like many others, I want to extend its capabilities a bit.

I'm interested in replacing the vxo with a vfo, but in keeping with Wayne Burdick's original idea of something simple, I'd like to keep the vfo addition to a single transistor.

It would run continuously, like the vxo, so I expect that would help stability a bit. It would need enough output to drive the transmitter lineup. As a vfo, it would probably be easier to implement a transmit shift of around 700 Hz or so.

I'm not hung up on getting it into an Altoids can with the rest of the 40-9er, but it would be fun if it could be done.

Anyway, I'm looking for suggestions on how best to implement this little vfo addition. Any favorite circuits, construction tricks or materials, etc. There is a wealth of knowledge and experience out there, and I'm looking to tap it.

72, Bob N6WG

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996

From: Clark Savage Turner WA3JPG <turner@safety.ICS.UCI.EDU>
Subject: [950] Argosy AGC and stuff
Message-ID: <19044.837402063@safety.ics.uci.edu>

I recently got the Argosy II and wonder why I haven't gotten one before. What a nice box!

I recall that a few weeks ago, before I had thought about buying an Argosy, there was some discussion about AGC popping. I will be going in there to adjust the AGC at some point, did someone keep copies of the info or recall the recommended component changes (or a cite to them?)

Also, after I got one and showed it to my friend Carmine, he went out and found one, too. He is looking for the 8 pole (model 220) filter for it and the 500 Hz CW filter (model 218?) for it.

Clark
WA3JPG

P.S. Just finished a 40-9'er with a friend, worked right away!

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Steve Bornstein <saborn@saborn.net>
Subject: [922] CORRECTION 49er sidetone circuit
Message-ID: <Pine.3.07.9607141320.A15041-91000000@login>

Hello Gang,

The circuit for the 49er sidetone circuit in QRPp is in ERROR. Please make the following corrections:

- 9v goes to pin 8 of LM-358
- 10k ohm goes between pin 8 and pin 3 of LM-358
- 10k ohm goes from pin 3 of LM-358 to key line

73, Steve K8IDN QRP-L #331

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: k7yha@juno.com (richard h. arland)
Subject: [914] DX/Contest Reflectors
Message-ID: <19960714.160328.8071.4.k7yha@juno.com>

Gang:

Does anyone know the listserver or listprocessor address to subscribe to the DX and the Contest internet reflectors?

I am assuming that it is the same type of "subscribe....(your name & call)" message that we use for the listserv@lehigh.edu to subscribe to the qrp-l.

72 es tnx.

rich K7YHA

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: AE0Q / V31RY <v31ry@ix.netcom.com>
Subject: [903] Good PR
Message-ID: <2.2.16.19960713225834.2e87f742@popd.ix.netcom.com>

>Gang,

>

>About 6 months ago I really became a serious low power operator and
>began tracking WAS/WAC/DXCC. I wasn't about to cloud my personal goals
>with unrealistic expectations knowing that we were at the BOTTOM of the
>solar cycle; so I proceeded cautiously. As it turns out, I have about
>35 countries confirmed for DXCC (worked about 85 thus far), waiting for
>two confirmations for WAC (ZL & JA) and within the past two days worked
>two of the remaining 3 states needed for WAS (worked MT & ND), now only
>need Hawaii.

>

>This is about the most fun I've had with my clothes on for a long time!

>

>GL to all,

>Craig, AA3MD

>

Say Craig, when you get your QRP W.A.S. certificate, you have a chance to do some great QRP Public Relations! Have someone take a nice, well-lit photo of you with the certificate (maybe by your rig), make a 5x7, and send it to the ARRL for 'Up Front In QST'..

I did that last year when I got my RTTY DXCC and RTTY W.A.S., both using an attic dipole in a townhouse.. They ran the photo in Sept '95 QST! It wasn't all QRP, but I was hoping it would encourage people to use whatever antenna they have..

Have fun!! Glenn

Duct Tape is like the Force: It has a light side, and a dark side,
and it holds the Universe together.

AE0Q / V31RY ex: GM5BKC, ZB2WZ, SV0WY, WA0VPK
v31ry@ix.netcom.com -- ARRL LM, QCWA LM, NCVA --

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: cookes@pop.jaring.my (Siong Teck Cheun @ Joseph)
Subject: [906] Hallicrafter
Message-ID: <199607141149.TAA00397@jaring.my>

Hi fellow Qrpers,

I had a Hallicrafters Model SR 160 with me for sometime. Just wondering any
one have the Operators and service manual available. (Photocopy will do)
Please e-mail direct with info and cost + postage appreciated.

Siong

```
*****
*      SIONG 9M8ST/V85ST          /-/-/ ~ /|\          *
*      G-QRP 7986                 /^\ |/\ |/_|_ \         *
* e-mail cookes@pop.jaring.my      | //^^\ \          *
* snail mail address :            ----/^\_/_|_%@|_ _ \      *
* 171D Cookes Drive                *
* 93150 Kuching Sarawak             *
* MALAYSIA                          *
*                                   *
*      # For more information about SARAWAK check in #      *
*                                   *
*      http://www.sarawak.gov.my/stb                          *
*                                   *
*****
```

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996

From: Mike Boice <kd0fx@worldnet.att.net>
Subject: [937] Hanging ladder line
Message-ID: <1.5.4.32.19960714235332.0066c760@postoffice.worldnet.att.net>

What's the best way to attach ladder line running down a wooden post? I also have to run it under a patio roof, suspended from the beams. I've heard/read that you should keep metallic objects away from ladder line, or at least have both legs equally distant from the metal. I don't have any metal to worry about, other than maybe using nails to hang the ladder line.

73,
mike KD0FX
Richland WA QRP-L #576

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: k7yha@juno.com (richard h. arland)
Subject: [939] HB Spring-claimed score
Message-ID: <19960715.012632.4543.0.k7yha@juno.com>

Gang:
This has been a GREAT contesting weekend...first we had the IARU/WRTC Team championships and then a Home Brew QRP Sprint. It just don't get no better 'n this!

I managed about 2 hours in the HB sprint. Initial scoring: 33, 925 points. Not bad for a short contest with hardly anyone on the air! Where are all you guys & gals?

During the IARU/WRTC Team Championships I managed to work 14 of the team stations with 1X1 callsigns. All on 20 mtrs. 40 was a bust and NOBODY was on 80.

72 rich K7YHA

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: JessQRP@aol.com
Subject: [947] HB Sprint
Message-ID: <960714223741_156055178@emout10.mail.aol.com>

Hi all,

Well band was not that bad here. I was on only 20 meters for about half an hour around 2130 Z and mad about 15 contacts ranging from Ga to AR and MN to

CA. Heres the short list...

WA6AYI
KC0TJ
NU6U
N0IBT
KN6UV
W0LKW
AB5UA
KG7LX
KJ5MG
AE4CA
W6YRA
N6MM
KG0PP

All on 20 meters. Gap Titan DX and OHR 400 at 5 watts. The narrow filter in the 400 is nice for cutting the QRM and even had a couple of mini pile ups for a bit.

A bit of fun for the weekend before going out of town on business for a week. Will not have time to pack a rig and use it while I am gone though. I will be in Columbia SC on Monday and Tuesday and Tampa FL on Wednesday and Thursday. Wish I had more time in each palce so that I could get on the air and maybe meet a few local QRPers. Oh well.....

Best Jess N0TFI

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: n7mfb@juno.com (Bill Todd)
Subject: [920] HB Sprint & 10 meters?
Message-ID: <19960714.094708.7231.0.n7mfb@juno.com>

Hi gang -

Well, I *NOW* realize that the HB sprint is Sunday and not yesterday (ooops), so I encourage all of the folks on the list to check out 10 meters from time to time during the contest (both on 28060 and 28110).

The prop for this afternoon/evening could be good or bad - can't rightly say. But yesterday on ten meters I heard SSBers from NY, NJ, FL, CO, AZ, TX and CA.

So, ten may NOT be dead after all...and 3 or 4 watts can really do well on ten when conditions are right. See you there!

de Bill - N7MFB

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: "Steve, N2MNN" <n2mnn@openix.com>
Subject: [938] HB Sprint Condx
Message-ID: <199607150034.UAA27432@pantera.openix.com>

Worst QRN from thunderstorms in any QRP contest I've been in so far (since 1992). We were socked by Bertha during the whole contest in eastern NJ. Constant lightning pulses seem to desensitize the rig (Sierra). Finally at 23:30 I got 2 contacts on 20 meters ID, and V01DRB in NFD. It got very quiet for about 10 minutes. I wanted contacts on 80, 40, 20, and 15. Could not get anybody to answer me on 80. Rich, K7YHA, I did hear you once but I think you were trying to work someone I could not hear, and then you disappeared.

I only got 4 contacts, but it was a good experience. I got brave and stopped searching and pouncing and finally started calling CQ using the memory in the KC-1. Took 10 minutes to complete a weak contact with VE2AB0.

I'm all fired up - just wait until the next contest!

72,

Steve, N2MNN

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: k7yha@juno.com (richard h. arland)
Subject: [931] HB Sprint---20 mtrs?
Message-ID: <19960714.212606.8071.21.k7yha@juno.com>

Gang:

What happened to 20 meters? I can only hear about 4 stations up there calling CQ QRP. Where is everybody?

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: jgann@mindspring.com (Alvin G. Gann)
Subject: [945] HW-7 mods
Message-ID: <199607150211.WAA25153@borg.mindspring.com>

Recently Mike WA8MCQ gave a very good explanation why receiver mods are necessary for the HW-7 and cited several sources of information on how to improve the HW-7 receiver, that is, make it useable.

There is another mod that Mike didn't cite. I supplied Frank G3YCC with the mods I made to my HW-7 and he put them up on his home page. If you have an unusable HW-7, visit Frank's site at <http://homepages.enterprise.net/g3ycc/> and click on the HW-7 page. I have given a schematic of what I did and a blow-by-blow account of how to do it. It eliminated the SW BCI and made it much more sensitive. Thanks to Frank the information is on-line.

Good luck. 72 --Jerry W1UI

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: k7yha@juno.com (richard h. arland)
Subject: [909] IARU HF Test/WRTC Stations
Message-ID: <19960714.134749.4543.0.k7yha@juno.com>

Gang:

Managed to work 14 of the WRTC team stations in the IARU HF Test that just concluded. Even allowing for a busted call or two, this still qualifies for a coveted letter opener (gosh, now that I have e-mail, I don't really need a letter opener!).

Stations worked: W6N, W6D, W6S, W6A, W6Y, W6L, K6K. W6F, K6N, K6G, K6F, W6Z, K6R, & K6W.

Band: 20 meters

Rig: Argo 515 (My Sierra was broke...although it would have been nice to include HB Rig on the QSL!)

Antenna: TH7DX @ 52 ft.

Power output: 2.5 watts

You guys in the mid-west had the best shot at a clean sweep. Between 40 and 20 meters some of you should have cleaned up! Signals on 20 were down on these WRTC statoins (they were using only 100 watts and a beam at 40 ft), none the less, it was good fun and excellent practice.

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996

From: peder@canit.se (peder)
Subject: [919] OH0 QRP expedition
Message-ID: <199607141647.SAA00884@uno.canit.se>

Interested in 2-way QRP contact?

SM0HPL/Anders will be active from OH0/Aland Island during 15-16 july.
Listen for him on 7030 and 14060 KHz, mainly on evenings/nights.

He look forward to hear from other QRP'ers.

Best Regards
SM0GNS / Peder

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [928] OHR Explorer II C62 values
Message-ID: <960714202425_75230.1405_HHB52-2@CompuServe.COM>

Use following values to replace the trim cap that sets the upper VFO limit , C62
(use NP0 or C0G only):

BAND	VALUE	MOUSER PART NO
20M	22pF	141-100N5-022J
30M	47pF	141-100N5-047J
40M	68pF	141-100N5-068J

73
Marshall

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: sholla@panasonic.atlanta.com (Holland, Steve)
Subject: [923] OHR SPIRIT II
Message-ID: <1996Jul14.134900.1619.34898@ntserver.panasonic.atlanta.com>

Hello everyone.

I have just finished building my first QRP kit. It was great. The part I enjoyed most was being able to solder the parts on without the use of a 30 power microscope. In my job with Panasonic I have to use a microscope to solder the surface mount parts we use. The next best thing was when I

turned it on and none of the magic smoke escaped. I do have one problem that I hope someone can help me with. I have the unit mounted in my car with a separate 12 volt battery and running a hustler antenna, I have the antenna and radio grounded to the frame. My VSWR is 1.5 in the middle of the band. (40 meters) What I hear is feed back through the headset or speaker. I have some ideas on what could be causing this but would like to know if anyone else has had this problem and how did you fix it.

I am very pleased with The OHR kits and it was only missing one resistor. I plan on getting the OHR 100 for thirty meters when I get back from vacation. I will be in Mobile Alabama from 07-20 to 07-24 and plan to be active on 40 meters. I am new to QRP so any advise would be welcome. 72 de N9HXX/4

Steve N9HXX/4
sholla@panasonic.atlanta.com
QRP-L # 555

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: "Kerry W. Miller" <kmiller@flash.net>
Subject: [942] Ok for Homebrew contests?
Message-ID: <2.2.32.19960715015306.00673450@pop.flash.net>

I've been contesting for years, but not much in QRP contests. For these Homebrew contests, does my Norcal 40A count as Homebrew? I didn't sweat blood over it like I have some of my "real" homebrew gear. Also, if the Norcal 40A counts, does that mean that my old HW-101 would also count as "homebrew"?

Just wondering in case I have time to work the next one,
Kerry Miller
kmiller@flash.net

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: msdoooley@rdxsunhost.aud.alcatel.com (Michael S. Dooley)
Subject: [948] PCB shear
Message-ID: <9607150331.AA15604@collie.aud.alcatel.com>

For those of you getting out the paper shear to cut PCB...PLEASE be careful! It's much easier to lose a finger cutting PCB on a paper shear than on a PCB shear. Gonna be hard to send CW with a missing digit.

Mike N5BGZ
(the former KE4PC)

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: "Barry L. Eure" <ks4rt@cris.com>
Subject: [924] Picket Electronic SLIDE RULE Manual
Message-ID: <31E9644E.64F8@concentric.net>

Does anyone have a manual for the PICKET ELECTRONIC SLIDE RULE
MODEL N-16-ES or know where I can buy one? Picket couldn't help!

I used this while I was an Aviation Electronics Technician in US Navy
back in early to mid 1970's and still have it, but no manual!

Tnx es 72
Barry - KS4RT

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Steve.Hideg.1@nd.edu (Steve Hideg)
Subject: [943] QRP-L Web Page Additions
Message-ID: <v02130510ae0f0e884dc1@[129.74.35.16]>

Greetings.

I have added 5 articles by Larry East, W1HUE to the Hints page on the
Internet QRP Club web site. These include articles on improving performance
of TenTec Argonauts, and a peak reading mod to the WM-1.

I have also added a link to John Seboldt's (K0JD) R2T2 page.

<<http://qrp.cc.nd.edu/QRP-L/>> then navigate to the hints & kinks page.

You can get to the hints & kinks page directly at:

<<http://qrp.cc.nd.edu/QRP-L/hints/index.html>>

Enjoy!

72,

--Steve

=====

Steve Hideg, Macintosh Consultant - OIT, Notre Dame

Telephone: (219) 631-3926 "A new poll indicates that if
E-mail: Steve.Hideg.1@nd.edu the presidential election were
URL: http://www.nd.edu/~shideg/ held today, most people wouldn't
http://qrp.cc.nd.edu/QRP-L/ vote because they think the
Ham Radio: N8HSC/9 election is held in November."
--Dennis Miller

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From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: robert bell <rbell@uniserve.com>
Subject: [901] Sierra for sale
Message-ID: <96Jul13.212714pdt.32102-6281+745@haven.uniserve.com>

Hi, I have a Wilderness Sierra for sale, it comes with modules for 40 & 20 and is constructed to a high standard. It has been modified to include an rf/signal meter and the abx control has been placed on the front panel, it is in excellent working condition and I will be sad to see it go but I'm keen to build something else and need the money. I am selling this fine rig for \$200 us which includes postage in North America.

73 de Rob VE7IGZ

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: robert bell <rbell@uniserve.com>
Subject: [916] Sierra sold
Message-ID: <96Jul14.090051pdt.32237-6283+844@haven.uniserve.com>

the Wilderness Sierra has now been sold but thanks for all the replies.

73 de Rob VE7IGZ

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [929] Sliding Keys

Message-ID: <960714202424_75230.1405_HHB52-1@CompuServe.COM>

My Bencher sits in ONE and only one spot on the desk, so this will be of little or no help to people who move their keys/paddles around deliberately [g]. Or for keys or paddles without feet!

I cut three small (1") squares of self-adhesive sandpaper from a larger sheet. I removed the backing and stuck them to the desk, where the feet of the paddle sit. Works like a charm. And there's a side-benefit: the reason the paddle slides around in the first place is that the rubber feet become hardened and polished over time from contact with a smooth tabletop. The sandpaper roughens the bottom surface of the feet, so they will be less likely to slide when used without the sandpaper (i.e. on someone else's tabletop).

73

Marshall.

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996

From: "Frank" <g3ycc@enterprise.net>

Subject: [905] SWR v FS Meter

Message-ID: <199607141153.LAA23132@mail.enterprise.net>

When recently building a small aerial matching unit for 7mHz, I decided to incorporate an SWR bridge or some indication of being 'tuned on the nose'.

What I decided to do, instead of using an SWR, was to use a simple 'field strength meter' come RF indicator. The circuit I used for this is on my web page, called the 30 second meter (or something like that ...). This worked fine and lead me to think: do we really need an SWR meter? Isn't an indication of maximum RF just as good when 'tuning' the set-up. Yes, I know we don't tune the aerial, sorry - 'antenna' for you guys across the muddy pool, we match the rig to the aerial, by some form of 'ATU' (a misnomer if ever there was one!). Better to refer to your Z-match etc as an aerial matching unit.

In the 'good old days', before SWR was thought of, we tuned for maximum RF (or for maximum smoke, as some said - maybe describing their PSUs!). Do we rely too much

on SWR? I think we do. You hear comments like: 'My aerial/antenna is a good one, it is 1:1 over all the band - what he really means is 'my coax is so lossy,' through wet getting in etc, it is showing me a misleading reading. Would we be better off concentrating on maximum RF, rather than SWR? Surely it is easier to build a FSM than an SWR, where space is limited.

Cheers.

--

Frank G3YCC
Ham Radio QRP Web Page:
<http://homepages.enterprise.net/g3ycc/>

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [930] TS-520S, HW-7 mods
Message-ID: <Pine.BSI.3.93.960714163737.19025A-100000@u1.abs.net>

In answer to some recent questions about mods for the TS-520S and HW-7:

QRP WITH THE TS-520S:

One way to reduce power on the TS-520, which was the subject of a technical tidbit in the QRP Quarterly a long time ago by K3NC0, is to use an ALC power controller. That's the old trick of feeding a voltage into the ALC jack on the rear of a rig to throttle it back, and it works just as well on a tube rig as a solid state one. Use the same voltage and polarity that you'd use for a solid state rig. I can't remember any details, but he probably used a 9 volt battery and a large pot, perhaps 100K. Not critical.

A second way to reduce the power was in the Jan 1993 issue of the QRP Quarterly, an article by Richard Kerr Jr, KA8EGS, with my own comments added to it. It contained some simple schematics; while I could supply the text here and add some ASCII art schematics, I won't since doing ASCII art is a compromise at best and rather tedious to do. Instead, if anyone wants a copy of that article, send me an SASE with one unit of postage and I'll pass it along.

The mod throttles down the power by cranking back the screen grid voltage. Normally +210 volts, his mod drops it to around 65 volts or so, for 4 1/2 watts out. He removed a resistor in the voltage dropping network that provides the screen voltage, replaced it with a small board-mounted pot, and uses the SG switch on the rear panel for switching. His method results in only being able to use the rig for QRP, and not run full power, so I came up with a slightly different arrangement to let the SG switch select either full power or QRP.

By the way, these mods work with TS520, 530, 820, 830 equally well (although the implementation on the TS-830 is slightly different since its SG switch controls a relay instead of directly switching the screen voltage.)

HW-7 MODIFICATION

Yes, the HW-7 has a rotten receiver by any standard! You can't really blame them for it, since all direct conversion receivers of that day seemed to have the same problems--shortwave broadcast breakthrough, tunable hum, microphonics, etc. The reason is that they all used a 40673 or similar MOSFET as a product detector connected directly to the antenna. The Ten Tec PM series had the same problems, and they happened to use the same product detector, as did many DC receivers built from scratch. Basically, "we" didn't know any better at the time. W7EL, in his August 1980 QST article "An Optimized QRP Transceiver", provided the breakthrough--get rid of the MOSFET, which is a beautiful square law detector and replace it with a double balanced mixer, either a commercial module like the SBL-1 from Mini Circuits, or make your own. That takes care of the AM detection as well as the tunable hum that occurred with some (not all) AC power supplies. (The microphonics can be eliminated by getting rid of the tunable preselector and using a fixed tuned filter instead, using fixed capacitors.)

The QRP Quarterly had an article by KN1H in the mid 80's on replacing the MOSFET with a double balanced mixer, but both the text and drawings suffered at the hands of the editor and John was never happy with the way it all appeared in print. In the April 1995 issue of the QRP Quarterly I did an update of his article, with redrawn (and lucid!) schematics and additional commentary. If you'd like a copy, send an SASE with one unit of first class postage.

73 and Queue Our Pea DE WA8MCQ wa8mcq@abs.net

7945 Citadel Drive, Severn, MD 21144

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Richard Wilkerson <richqrp@worldnet.att.net>
Subject: [944] What QRN???
Message-ID: <31E945A7.35F4@worldnet.att.net>

Well I tried as good as I could on 20 mtrs today but a little too much noise. I was able to hear KG0PP but could not pull his number out of the noise. not very many signals on twenty were heard today, from here anyway. Only made four contacts and one of them is my old stand-by KC7NEV. we can't make a schedule to save our lives..but let there be a sprint and there we are..from now on I am going to just log Joe in..it's

automatic..Still a lot of fun and I am looking forward towards the next one..72's to all..and to all ..no QRN!!! rich wd6fdd

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: k7yha@juno.com (richard h. arland)
Subject: [910] Re: 73 Magazine Demise Addendum
Message-ID: <19960714.143013.4543.2.k7yha@juno.com>

On Sat, 13 Jul 1996 22:37:49 -0400 W3HMS@aol.com writes:
>Brian....I used to like Wayne's editorials.....

Yeah, met too. Some were actually thought provoking.

>Then his editorials seemed like what they really
>are.....street corner ramblings with no structure and no agenda
>for real improvements albeit they did address ham radio from time to
time..
>

Wayne likes money. Controversy sells copy. This translates into money for Wayne. Nice little equation. (NOTE: remember the old "Bash Books? The primary reason Old El Supremo is so ticked off about Bash and his books is that Wayne didn't think of the idea first. After all, that is the way the FCC Comm'l class licenses are crammed for.....you study the questions and the answers.....I also believe that there are the same kind of Q&A study manuals out there for the FAA Comm'l Pilots License...what's the big deal?)

I have talked to at least 3 people that have met Wayne in the last 9 months....consensus of opinion is that he is suffering from something...possibly old age dementiae, alzheimers, who knows. It is sad....cuz Old El Supremo was good, in his time. Unfortunately, I think Wayne wants to live forever and can't seem to face the reality of his own mortality. (The Psychiatrist is in.....5 cents, please)

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: muphaus@cris.com (Marv Uphaus)
Subject: [921] Re: 73 Magazine Demise Addendum
Message-ID: <X1R6xM82cyFY085yn@cris.com>

On Sun, 14 Jul 1996 14:00:37 PST k7yha@juno.com (richard h. arland) wrote:

> I also believe that there are the same kind of Q&A
>study manuals out there for the FAA Comm'l Pilots License...what's the
>big deal?

This is true... But passing the written test (currently given on computer - \$65) for an FAA pilot's license is only HALF the test and only a SMALL part of the cost... You then have to do a practical test in front of a designated examiner... Most flight tests have two to three hours of oral exam followed by a 1 to 1.5 hour check ride in the airplane... With respect to the private pilot's license (about equivalent to the general class amateur), the cost for said exam is currently about \$225 plus the rental of the airplane, about \$75 minimum... But before you get there, you have to have at least 40 hours of flying time... Minimum cost is usually about \$2000... And 20 hours of that 40 hours is with an instructor at an additional charge of about \$20 an hour... Most pilots these days spend close to \$3500 for the initial priveledge of flying over your house... And all they have is a small slip of paper that says they are minimally qualified...

How many of you guys out there would pay that price for their general class license...???

Of course each upgrade in licensing is about the same (or more)... And there is commercial, instrument, multiengine, flight instructor, single and multi, glider, lighter-than-air, helicopter...

So I believe that this kind of testing in amateur radio would certainly stop the riff-raff from coming in... I'm ready for this to start right now...

Marv, K4BVG... Certificated Flight Instructor

p.s. I make my flying students learn Morse code... All FAA navigation aids currently are identified by International Morse code... If you don't hear the code identifier, the nav-aid is considered to be non-functional...

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: k7yha@juno.com (richard h. arland)
Subject: [912] Re: bash? Old El?
Message-ID: <19960714.145525.8071.0.k7yha@juno.com>

Hi Charles:

The Bash Books were a collection of the ACTUAL FCC Amateur License Questions and the CORRECT answers along with all the "detractors". A guy

by the name of Dick Bash (a KL7 if my memory serves me) published a set of books that he guaranteed would get you past any FCC ham exam. He charged a few bucks each for them.

Wayne (El Supremo) hacked him to death in print.....ostensibly because it "allowed any non-technical person to pass up to and including the Extra exam". In reality, old Waynie was missing out on thousands if not millions of bucks selling books. Bash thought of the idea and marketed it first....he got the money.

Yep, old El Supremo has the best interest of ham radio at heart.....but only if HE can profit from the idea/concept.

72 rich

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [902] Re: Digests in MIME?
Message-ID: <96Jul14.005854-0400edt.65558-14099+143@hooch.CC.Lehigh.EDU>

> Several QRP-L digests have come to me in MIME format, with each
> individual message as an individual attachment. Others have not.
>
> I wonder what's happening? It ends up annoying to me because when I read
> the digest in ELM, I can normally skip right to messages of a certain
> topic by finding key words. With individual messages attached, I can't
> do this. PINE lumps them all together, and I can skip more easily, but
> it's slower on my system :-)

John,

I hope you just missed my earlier post (appended below) and aren't still having trouble, as I think the problem has been corrected. Please contact me off-line if you're having trouble with other than digests #415 & 416. Copies of those two digests can be had as outlined below.

73
Jim N3VXI

Subject: QRP-L digest problems
From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Mike Czuhajewski <wa8mcq@u1.abs.net>
Subject: [951] Re duplication in QRP journals
Message-ID: <Pine.BSI.3.93.960715000249.12596B-100000@u1.abs.net>

A recent comment on QRP-L from John Moriarty, K6QQ--"I fear that

there is going to be a shakeout (or hopefully, mergers) in the QRP magazine field. There are a lot of them, and much duplication of material."

I'm not sure if I see any mergers coming. All of the different QRP magazines out there sprang up to meet some need, and there may well be more in the future. A frequent "complaint" from W3TS, who I run into at local hamfests several times a year, is that you have to spend sooo much money to subscribe to all the QRP journals to get all the info, and how nice it would be to have everything in one magazine. I'm sure he's not the only one who feels that way. However, we live in the real world, and I very strongly doubt if that will ever happen. We have Time, Newsweek, US News & World Report, and we "should" only have one weekly news magazine. (And they report on many of the same stories! Now THAT'S duplication!)

We have QST, CQ, Communications Quarterly, and, at one time, 73, but "should" only have one ham radio magazine. I could make a similar list of a half dozen computer magazines, or photography magazines, "womens" magazines, and a score of other fields, but don't know many of them off the top of my head--but you get the point. There will always be diversity in publication, and I'm sure it's rare to find some topic which only has a single publication covering it.

As for there being duplication of material in the QRP journals, this continues to be a recurring topic of discussion, starting several years ago. I see no clear consensus on it, and I certainly see no end to the "duplication". Sometimes things on QRP-L are picked up simultaneously by more than one journal, sometimes authors submit an article to several journals at once (frequently without telling anyone that everyone else is getting it!), sometimes there is something good printed in one that other journals wish to share with their readers. The bottom line is, and will always be, that not everyone gets every QRP journal. Whenever something is duplicated, there will be a number of people who have seen it before but there will be a larger number who have not, and they will benefit.

Informal studies have been reported from time to time on "Publication X" versus "Publication Y" and the number of people who get both, and it usually seems to be on the order of 30% or less (and sometimes considerably less). Regardless of what two journals are being compared, the number of readers in common is usually fairly low. An example--right now the QRP Quarterly has slightly over 1500 US subscribers (Mike Bryce just sent me a printout of them). The total active membership of GQRP, ie, SPRAT subscribers can be found from their annual member handbook. I haven't checked it in a couple of years, but the last time I did I found about 300 US subscribers out of their 4500 or so. Now if ALL of those US folks also got the QRP

Quarterly, there would be 300 people seeing something twice when the QRP Quarterly reprints it but 1200 would see it for the first time. If it's really good material, do we deprive those 1200 for the sake of the 300? (And I haven't checked yet to get precise numbers, but I know I can safely say that not all of those 300 get the QRP Quarterly.) Mike didn't send me the DX list of the Quarterly, but I know it's somewhat under 200. If all of those get SPRAT as well, that makes another 200 out of 4200 (4500 less 300 US) SPRAT'sters who would see something twice.

Interestingly, from some of the e-mail I've exchanged with people involved with other QRP journals (being involved with the QRP Quarterly myself), this doesn't seem to be a major concern of the publishers. The general feeling seems to be that most of them are quite willing to reprint something from another journal if they feel it is of value to their readers; and I'm sure most of them realize that not all of their readers get "all" of the other journals.

73 and Queue Our Pea DE WA8MCQ wa8mcq@abs.net

PS--As the Monty Python crew says, "Now for something completely different". Talking about the PCB shears, which was a recent qrp-l topic, we have one of those expensive Kepro PCB shears at work, and it IS nice. Surprisingly small, but nice. And yes, we too have big notes on the band saws and metal shears promising swift and painful death to those who use them for PCB material. In fact, we have one of those small, hobbyist type bandsaws that fits nicely atop a work bench, \$150 price range, specifically set aside for cutting PCB stock. And a few folks mentioned the MSC and McMaster-Carr industrial supply houses. I don't warranty them of course, but I'll vouch for the fact that they are both big, reliable, trusted businesses, and we order from them all the time. Their catalogs are in the category of "if it's not in here, it doesn't exist". Warning--don't try lifting the catalogs if you've got a weak back :-)

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: sholla@panasonic.atlanta.com (Holland, Steve)
Subject: [917] RE: DX/Contest Reflectors
Message-ID: <1996Jul14.121600.1619.34879@ntserver.panasonic.atlanta.com>

Rich:

Try this. It should send you all the info once your subscribed. Good luck.

send it to

listserv@ve7tcp.ampr.org

put this in the body of the message.

subscribe dx k7yha@juno.com

Sorry I don't know the contest reflector. You might do a list of the above. It is possible this is also the contest site. 72 de N9HXX/4

Steve N9HXX/4
sholla@panasonic.atlanta.com
QRP-L # 555

From: k7yha[SMTP:k7yha@juno.com]
Sent: July 14 1996 11:51
Subject: DX/Contest Reflectors

Gang:

Does anyone know the listserver or listprocessor address to subscribe to the DX and the Contest internet reflectors?

I am assuming that it is the same type of "subscribe....(your name & call)" message that we use for the listserv@lehigh.edu to subscribe to the qrp-l.

72 es tnx.

rich K7YHA

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Bob Patten <n4bp@shadow.net>
Subject: [918] Re: DX/Contest Reflectors
Message-ID: <Pine.SOL.3.91.960714122503.12232A-100000@hyper>

On Sun, 14 Jul 1996, richard h. arland wrote:

> Does anyone know the listserver or listprocessor address to subscribe to
> the DX and the Contest internet reflectors?

Hi Rich, You probably have it by now, but:

Contest Reflector - cq-contest-request@tgv.com

DX Reflector - dx-request@ve7tcp.ampr.org

>

> I am assuming that it is the same type of "subscribe....(your name &
> call)" message that we use for the listserv@lehigh.edu to subscribe to
> the qrp-l.

Yes...

Glad to have worked you in the IARU, Rich, I forget which band(s?)

73

Bob Patten, N4BP

n4bp@shadow.net

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996

From: Jim Stafford W4QO <w4qo@America.Net>

Subject: [926] Re: Folded Dipole

Message-ID: <31E94C06.1ABC@America.Net>

Timothy J Fiebig wrote:

>

> Hello Gang!

>

> Has anyone had any experience with the folded dipole that B&W sells
> (10-160 meters). It suppose to be aorund 90 feet long and I was
> wondering how well it performed, especially on 80 and 160 meters.
> I'm also curious about the VSWR on those bands.

>

>

> 73

>

> Tim/N2BCF

Our club has one and it works pretty good. It is a wide spaced (perhaps 15 inches) folded dipole with a big swamping resistor at the center of the "top" wire (opposite of the feed point). I have not measured the value of the resistor, but whatever it is, it keeps the SWR flat (below 2:1) over all the spectrum. I suspect it does not perform as well as a dipole cut for a given band, but it is handy when you need to cover much of the spectrum. It has to be better than the MAXCOM which has the

resistor across the feedline with the wire elements coming off the resistor! And it is less money than the MAXCOM (I think).

BTW we use it to cover a number of commercial HF frequencies we operate on and it seems to work fine for what we need.

72/jim/w4qo

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Peter Parker <parkerp@pcug.org.au>
Subject: [930] Re: GQRP - SWR v FS Meter
Message-ID: <Pine.SOL.3.91.960715064216.5960A-100000@supreme>

I agree with Frank G3YCC's comments re SWR and the use of field strength meters. In my QRP ATU, I use a light globe in series with the antenna feeder, and tune for max brightness.

However, for my more recent projects (2m - 40m transverter, 80 metre DSB transceiver), I have found it convenient to include an ATU inside the transceiver itself - I use some form of L-match tacked on to the end of the pi-network, separated (of course) by the T/R relay. An ATU is required, as I always use open wire line for portable operation. While the impedance matching range is not great, it is good enough for the particular antennas that i use.

So, with an inbuilt ATU, I cannot use a conventional SWR meter unless I build it inside the txcvr. And there's not enough room for this. So I use an external field strength meter (diode, RF choke, meter), built inside a walkie-talkie case. I place this near the feedline, and tune the ATU for maximum output.

73, Peter VK1PK

PS - With the above mentioned 80m DSB rig, which puts out 2 watts, so far I've had 15 contacts in the last week or so. Best DX has been VK7 - a distance of about 600 - 700km (estimated).

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [936] Re: HB Sprint---20 mtrs?
Message-ID: <199607142253.PAA05760@dancris.com>

At 09:25 PM 7/14/96 PST, you wrote:

>

>Gang:

>What happened to 20 meters? I can only hear about 4 stations up there

>calling CQ QRP. Where is everybody?

>

>

Yeah, it's lousy. I can only hear K0FRP, and can't get back to him. There are other there, but too weak for me.

40 ain't much better here in Arizona.

73,

Bob NorCal #1228, ARCI #8918, Qrp-1 #271, CQC 274

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996

From: k7yha@juno.com (richard h. arland)

Subject: [941] Re: HB Sprint---20 mtrs?

Message-ID: <19960715.015243.4543.1.k7yha@juno.com>

On Sun, 14 Jul 1996 15:53:44 -0700 Bob Hightower <ki7mn@dancris.com> writes:

>At 09:25 PM 7/14/96 PST, you wrote:

>>

>>Gang:

>>What happened to 20 meters?

>>

>Yeah, it's lousy. I can only hear K0FRP, and can't get back to him.

You can say that again! I called FRP about 25 times....finally left, went into the pool to cool down (it's in the 80s with humidity at the 100% mark here in NEPA)....came back into the shack....heard him calling "CQ" so gave it one more try and worked him!

Only got a hand full on 40.

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996

From: KT3A@aol.com

Subject: [907] Re: HB Test-10 meters (QSY)

Message-ID: <960714080125_237339004@emout09.mail.aol.com>

In a message dated 96-07-13 19:51:01 EDT, you write:

>Do you think American Airlines will let me load up the fuselage
>for /AM during the test?

ahhhhhh Chuck.....only if your running QRPp! :)

Have a safe flight. 72 de cameron

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996

From: KT3A@aol.com

Subject: [908] Re: HB Test-10 meters (QSY)

Message-ID: <960714080111_237339255@emout18.mail.aol.com>

In a message dated 96-07-13 22:07:13 EDT, you write:

>EC-130 Blue Eagle or Silk Purse bird with the 5000 foot
>trailing long wire!

>

>

Rich,

Worked one of those things when I was assigned to the unit at Middletown, PA. At that time the wire was about 600 feet of bronze phosphor. I did work 2 meter simplex from the plane at 30,000 feet. 500mW and worked 3 states at a time, CA, NV, and UT. The plane had a lot of engine noise. I wore hearing protection over a small earphone. I needed a noise cancelling mike.

Enjoyed your post on the trip, sorry about the Sierra. Sounds like something that would happen to me. Life is good.

72 es GL de cam, kt3a

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996

From: k7yha@juno.com (richard h. arland)

Subject: [911] Re: HB Test-10 meters (QSY)

Message-ID: <19960714.143013.4543.5.k7yha@juno.com>

On Sun, 14 Jul 1996 08:01:12 -0400 KT3A@aol.com writes:

>In a message dated 96-07-13 22:07:13 EDT, you write:
>
>>EC-130 Blue Eagle or Silk Purse bird with the 5000 foot
>>trailing long wire!
>>
>>
>
>Rich,
>
>Worked one of those things when I was assigned to the unit
>at Middletown, PA. At that time the wire was about 600 feet
>of bronze phosphor.

Hi Ya, Cam:

I forgot you were a blue-suiter. Our EC-135s at RAF Mildenhall had a lot more than 600 ft of wire.....One of our birds was the old Air Force One that JFK used to use. Still had the special seat installed in the rear of the aircraft...JFK had a very bad back problem (courtesy of PT-109).

In 1981 I went home on emergency leave from the UK onboard an Air Guard C-141 and when the crew chief found out I was a ham (he was studying for his General ticket and say my HT in my briefcase) he introduced me to the AC and the front end crew. They had been away from "momma" for about 6 weeks and for the next 4 hours I ran phone patches from the bird using one of the spare HF radios at the flight engineer's console. That is one way to pass the time. Also got to work some DX at 40,000 ft....it's amazing what you can work from that altitude....unfortunately, there was no way to turn the rig down to QRP levels!

72 rich

(PS: if my slides of Zuni FD turn out, R U gonna invite me to a club meeting for a slide show and boring talk?)

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [913] Re: IARU HF Test/WRTC Stations
Message-ID: <31e912ce.pandora@pandora.lugs.org.sg>

On Sun, 14 Jul 1996 13:47:44 PST, "richard h. arland" <k7yha@juno.com> wrote:
> Stations worked: W6N, W6D, W6S, W6A, W6Y, W6L, K6K. W6F, K6N, K6G, K6F,
> W6Z, K6R, & K6W.
> Band: 20 meters
> Power output: 2.5 watts

Nice work!

I got W6Q and K6Y only from Singapore.

Rig: ARK-20

Band: 20 meters

Power output: about 15 watts (homebrew linear)

Ant.: Dipole

Total Q's:	Same Zone	4	* 1
	Same Continent	81	* 3
	Different	74	* 5

	Total Q-points	622	

Different Zones worked 36

IARU HQ's worked 10 SARA UARL DARC CRC MRASZ SRAL SRJ SRR ZRS ARSI

Total multipliers 46

Preliminary score 622 * 46 = 28612

My favorites, Ecuador HC2SL. 19775 km from here.

I think I did ok for my first IARU test :-)

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg

9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996

From: k7yha@juno.com (richard h. arland)

Subject: [915] Re: IARU HF Test/WRTC Stations

Message-ID: <19960714.160328.8071.3.k7yha@juno.com>

On Sun, 14 Jul 1996 23:31:24 +0800 "W. Daniel, 9V1ZV"
<daniel@pandora.lugs.org.sg> writes:

>Preliminary score 622 * 46 = 28612

Not bad, Daniel.....all kidding aside, good score, indeed.

>
>My favorites, Ecuador HC2SL. 19775 km from here.
>
>I think I did ok for my first IARU test :-)
>

I think you did just fine for your 1st IARU HF test. Keep up the good work.

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Stephen Trier <sct@po.cwru.edu>
Subject: [933] Re: Maxim MAX297 Spec Sheet
Message-ID: <1.5.4.32.19960714214100.009085e4@pop.cwru.edu>

At 07:17 PM 7/13/96 -0700, Bill Jones wrote:
>Does anyone have any specifications on the Maxim MAX297 SCAF audio filter
>chip?

Maxim has data sheets online at <http://www.maxim-ic.com/>, including the MAX297 data sheet. They're in Adobe Acrobat (PDF) format, so grab the Acrobat reader from the first page if you don't have it already.

Stephen

Stephen Trier
KG8IH
sct@po.cwru.edu

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: k7yha@juno.com (richard h. arland)
Subject: [949] Re: Ok for Homebrew contests?
Message-ID: <19960715.040454.4543.5.k7yha@juno.com>

On Sun, 14 Jul 1996 20:53:06 -0500 "Kerry W. Miller" <kmiller@flash.net> writes:

For these Homebrew contests, does my Norcal 40A count as Homebrew?

Kerry:
Cam, N6GA, our Contest Chairman has determined that "if you build it, it's home brew". So "yes" your NC-40A does count as HB. Likewise your

HW101, too.

72 rich K7YHA

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: Jim Stafford W4QO <w4qo@America.Net>
Subject: [925] Re: QRP and Grid Squares
Message-ID: <31E69573.10A7@America.Net>

William K Hibbert wrote:

> I have my grid on my QSL card, in the ID on the KB2YTW/B 10 Meter QRP
> beacon, and I pass it out to whomever might need it. Let's discuss, and
> maybe consider using Maidenhead grids for our QRP operations in the
> future...
>

Keith and gang,

This thread was touched briefly about 18 months ago and I for one am glad to see it come up again. I think Grid Squares are neat and would heartily support their exchange in one or more of the contests in the QRP world. At least it is a useful piece of info in the exchange unlike some (not all) contests :)

I have a small program that runs on a Model 100 laptop (about the only useful thing I've found that will!) and it gives pointing angle for antenna and distance between 4 or 6 digit grid squares. Like Keith said, the GPS's now give it to you or it is kinda fun to figure out. Several articles of late have described it in detail.

Also, if you are not too far from your post office, the buckmaster callbook web site gives the grid for the location of the center of town where your post office is and you can use that as your grid location. And we have the program that runs on LEHIGH that calculates the distance between two callsigns in the US. To use it, put RUN call2dist call1 call2 and send it to listserv@lehigh.edu

Lots of fun here, IMHO. :)

72/jim/w4qo

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996

From: wq8q@juno.com
Subject: [935] Re: QRP and Grid Squares
Message-ID: <19960714.184731.11943.2.wq8q@juno.com>

For those seeking exact locations of QTH and such . . . the Feds have a web site where you can find tons of locations close to your home . . . crossroads, stores, churches, schools, shopping plazas . . . you can get pretty close . . .

The U.S. Geological Survey Web Site:

<http://www-nmd.usgs.gov/www/gnis/gnisform.html>

(that's a - dash - between www and nmd, not a tilde)

It's fun to play around with it anyway . . .

73 de Rick, WQ8Q

Cincinnati

----- End forwarded message -----

From owner-qrp-1@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: launerb@crl.com (William H. Launer)
Subject: [940] Re: QRP and Grid Squares
Message-ID: <v01520d00ae0f49898d11@[192.0.2.1]>

>For those seeking exact locations of QTH and such . . .

>The U.S. Geological Survey Web Site:

><http://www-nmd.usgs.gov/www/gnis/gnisform.html>

I tried this address, using "Gardnerville", St. Charles County, and MO for the search criteria. The subdivision I live in was built on land that once was a hunting area owned by an obscure Missouri Governor named Gardner. While never a town or village, "Gardnerville" is shown on some old maps. The USGS maps I got at the URL are up to date, last modified on 6 May 1996. Our subdivision is less than 10 years old, and by "zooming" in several times, our street is visible. The Latitude/Longitude given is apparently near the center of the area known as Gardnerville, so it can't be any further off than a quarter mile from our house.

So, if your neighborhood has a nickname, try using it in searching for your Latitude/Longitude. It's interesting, if for no other reason.

72/73 - Bill wb0cld

PS: Would this qth qualify as a "historical/unique" operating site?

Bill Launer
St. Charles, MO
launerb@crl.com
wb0cld@wb0cld.ampr.org [44.46.66.25]
qrp-l #279 qrp arco #3551

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: JessQRP@aol.com
Subject: [946] Re: QRP and Grid Squares/ QTH Locations new server
Message-ID: <960714222441_576716636@emout13.mail.aol.com>

Just thought I would throw in a new web site that will show you just about any location in the U.S. It is called mapquest and you get to it at [//www.mapquest.com](http://www.mapquest.com). Just feed it addresses, city names, whatever and it will show it to you along with the exact long and lat..

Best
Jess N0TFI

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: herr@ridgecrest.ca.us (Michael Herr)
Subject: [904] Re: QRP-L digest 419
Message-ID: <v01530501ae0f2379e66c@[199.120.150.89]>

>
>>>I'm planning on building (in fact, already ordered the toroids) the
>tuner in
>"QRP Classics" by the ARRL in the article "A Simple Resonant Antenna Tuner"
>(I think that's the article name, anyway). It was originally done by DeMaw
>by winding the coils on PVC, but near the end of the article he says what to
>do to make it smaller, & how to wind the coils on toroids.
>
>Anyone have experience with this tuner?
>

>73,
>mike KD0FX
>Richland WA QRP-L #576 <<
>

Mike,

I built and still use the "A Simple Resonant Antenna Tuner". I found to be a good performer in the 80 thru 20 meter region, but lousy higher up. I also had problems with the construction. Seems that the pvc used by DeMaw was a slightly different diameter than the stuff I could get a hold of. Also, my pvc was somewhat lose, readily heating up. I finally substituted B&W coils. Presently thinking of replacing the tuner, just cuz. Otherwise, I've enjoyed it. Oh yes, I had to add veiner dials on the controls due to the "sharp" tuning.

72

Mike WA6ARA

From owner-qrp-l@Lehigh.EDU Sun Jul 14 23:12:50 1996
From: launerb@crl.com (William H. Launer)
Subject: [927] Re: SWR v FS Meter
Message-ID: <v01520d00ae0edbc0c1eb@[192.0.2.1]>

Frank (g3ycc) has hit the nail on the head! When I started in ham radio, I used ARC-5 transmitters on 80 meters and 40 meters. My antenna was a 75 foot end-fed wire (all I had room for on my small lot). The ARC-5's have a built-in roller inductor, and were designed for random length, end-fed wires on WW II aircraft. Since the wire came directly to a post on the transmitter, I had no feedline. I used #47 lamps as tuning indicators. On 80 meters, the antenna feed point was an rf voltage point, so the lamp was shunted across about 4 feet of the antenna wire; on 40 meters, the feed point was an rf current point, so the lamp was in series with the wire. Antenna tune-up consisted of holding the key down, and turning the rotary inductor for maximum lamp brilliance (maximum smoke?). You soon learned the approximate inductor settings so you minimized "on-air" tuning time.

At hf, wire antennas, with a very high length to diameter ratio, will nearly always be very sharply tuned over a narrow bandwidth. Lossy coax feed lines mask this sharpness to a degree - not so much from VSWR as from the inherent capacitance of the line.

VSWR really became a problem with the advent of solid-state amplifiers, because of the intolerance of the transistors to survive high reflected voltages. Also, the use of "bandpass transformers" (the nemesis of receiver selectivity) designed for a fixed load impedance over a wide

frequency range adds to the problem.

An antenna is an integral part of the transmitter "system". The bulk of this "system" consists of the antenna radiator, the feedline, the transmitter final, and the impedance matching network between the final and the feedline. The impedance matching network, while some losses are added, provides a means of approaching maximum power transfer between the transmitter final, the feedline, and ultimately the radiating element, itself. At qrp levels, this is what we are all striving for!

For portable operation with xtal or vxo rigs (read "narrow operational bandwidth"), where weight is important, by all means try to design/build an antenna that matches your rig output impedance directly. But for fixed operation, where weight is not an object, use a "matching unit" (as Frank correctly calls it) to provide impedance matching over an entire band and to allow multi-band operation with a single antenna. The insertion loss of the "matching unit" will not be noticeable! This "matching unit" is a component of the "system" impedance matching network - don't consider it as a separate piece of equipment.

I know this deviates from Frank's beginning statement concerning Field Strength Meter vs. SWR bridge; use whatever what's comfortable for you. Just remember that a low VSWR primarily protects your rig's final, and a high VSWR in the transmission line doesn't cause a significant loss of radiated power.

72/73 - Bill wb0cld

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